

Subject Index Volume 25

Application protocol	83	Knowledge-based system	31, 145
Applications of Petri nets	45	Languages	281
Automatic cutter selection	173	Logistics software	211
Boring	55	Machining parameters	55
CAD/CAM	31, 173	Manufacturing	263
CIM	255, 263, 295	Manufacturing models	331
CIM cell	77	Manufacturing system research	235
CIM systems	281	MAPLE	113
Colour cluster	125	Methods	255
Coloured liquid	15	Modelling	255, 263, 281, 295
Colour set	125	Monocular	15
Complex and coloured object	125	Multicriteria decision making	131
Compound surfaces modeling	189	Multi-level knowledge base	159
Computer-aided design	3	NC machining	189
Computer-aided manufacturing	189	Networks	125
Computer-aided process planning	83	<i>n</i> -tuple classification	125
Computer vision	15	Numerical control	173
Concurrent engineering	83	Orbit and vector analysis	159
Condition monitoring systems	159	PLR	113
Cost	55	Position invariance	125
Creativity	295	Process operator safety training	145
Cutter path generation	173	Process planning	55, 173
Data Models	211	Process support information systems	69
Decision support systems	131	Programming environment	113
Depth maps	15	Qualitative plant simulation	145
Design	263	Reference models	211
Digital filtration	159	Rolled wire	69
Drilling	55	Rolling machines	69
Expert system	31, 69, 131	Sculptured surface machining	173
Extended Enterprise	235	Shape optimization	3
Feature-based manufacturing	173	Software standardization	113
Flexible manufacturing systems	131	Standard software packages	211
Frameworks	255	STEP	113
Frequency analysis	159	Strip layout	31
Grid	255	Structured approach	263
High-level Petri nets	45	Tool and die design	31
Hypertext	145	Tool condition monitoring	77
ICR	113	Tool path generation	189
Industrial automation systems	113	Turning	77
Inspection	125		

Validation	331	Virtual boundary	173
Verification	331	Virtual pocket	173
Vibration-based diagnostics	159		

Author Index Volume 25

Arellano, J., E. Ramírez, A. Chío and I. Hernández, The development of <i>SOL</i> —A support expert system for designing wire rolling sequences	69
Batanov, D.N., <i>see</i> Tabucanon, M.T.	131
Beeckmann, D., <i>see</i> Savolainen, T.	255
Ben-Arieh, D., The process selection problem for hole making	55
Bradley, P., J. Browne, S. Jackson and H. Jagdev, Business process re-engineering (BPR) – A study of the software tools currently available	309
Brandimarte, P. and M. Cantamessa, Methodologies for designing CIM systems: A critique	281
Browne, J., P.J. Sackett and J.C. Wortmann, Future manufacturing systems—Towards the extended enterprise	235
Browne, J., <i>see</i> Bradley, P.	309
Browne, J., <i>see</i> Jagdev, H.S.	331
Cantamessa, M., <i>see</i> Brandimarte, P.	281
Cantamessa, M., <i>see</i> Savolainen, T.	295
Chang, T.-C., <i>see</i> Lee, Y.-S.	173
Chen, D., <i>see</i> Doumeingts, G.	263
Chío, A., <i>see</i> Arellano, J.	69
Chmúrny, R., <i>see</i> Tirinda, P.	159
Chua, C.K., <i>see</i> Ngoi Kok Ann, B.	31
Cook, C.D., <i>see</i> Shi, H.	15
de Heij, J.C.J., The use of data models for assessing standard logistics software	211
Doumeingts, G., B. Vallespir and D. Chen, Methodologies for designing CIM systems: A survey	263
Griffiths, B.J., <i>see</i> Wang, Y.S.	125
Groumpos, P., <i>see</i> Savolainen, T.	255
Hájek, V., <i>see</i> Tirinda, P.	159
Hernández, I., <i>see</i> Arellano, J.	69
Hsu, Y.-L., A review of structural shape optimization	3
Jackson, S., <i>see</i> Bradley, P.	309
Jagdev, H., <i>see</i> Savolainen, T.	255
Jagdev, H., <i>see</i> Bradley, P.	309
Jagdev, H.S., J. Browne and P. Jordan, Verification and validation issues in manufacturing models	331
Jordan, P., <i>see</i> Jagdev, H.S.	331
Lai, J.-Y. and D.-J. Wang, A strategy for finish cutting path generation of compound surfaces	189
Lee, B.S., <i>see</i> Shankararaman, V.	145

- Lee, Y.-S.** and T.-C. Chang, Using virtual boundaries for the planning and machining of protrusion free-form features 173
- Lye, S.W.**, *see* Yeo, S.H. 77
- Messina, G.** and G. Tricomi, Software standardization integrating industrial automation systems 113
- Naghdy, F.**, *see* Shi, H. 15
- Ngoi Kok Ann, B.** and C.K. Chua, A knowledge-based system for strip layout design 31
- Norgate, P.**, *see* Wang, Y.S. 125
- Qiao, L.-H.**, Z.-B. Yang and H.-P.B. Wang, A computer-aided process planning methodology 83
- Ramírez, E.**, *see* Arellano, J. 69
- Rujbrov, B.**, *see* Tirinda, P. 159
- Sackett, P.J.**, *see* Browne, J. 235
- Savolainen, T.**, D. Beeckmann, P. Groumpos and H. Jagdev, Positioning of modelling approaches, methods and tools 255
- Savolainen, T.** and M. Cantamessa, The creative agent in CIM modelling 295
- Shankararaman, V.** and B.S. Lee, Knowledge-Based Safety Training System (KBSTS) — A prototype implementation 145
- Shi, H.**, F. Naghdy and C.D. Cook, A monocular approach to depth maps generation 15
- Silverwood, P.A.**, *see* Wang, Y.S. 125
- Tabucanon, M.T.**, D.N. Batanov and D.K. Verma, Decision support system for multicriteria machine selection for flexible manufacturing systems 131
- Tirinda, P.**, R. Chmurny, V. Hajek and B. Rujbrov, A computer aided complex condition monitoring system with multilevel knowledge base 159
- Tricomi, G.**, *see* Messina, G. 113
- Vallespir, B.**, *see* Doumeingts, G. 263
- van der Aalst, W.M.P.**, Putting high-level Petri nets to work in industry 45
- Verma, D.K.**, *see* Tabucanon, M.T. 131
- Wang, D.-J.**, *see* Lai, J.-Y. 189
- Wang, H.-P.B.**, *see* Qiao, L.-H. 83
- Wang, Y.S.**, B.J. Griffiths, B.A. Wilkie, P.A. Silverwood and P. Norgate, Complex and coloured object inspection 125
- Wilkie, B.A.**, *see* Wang, Y.S. 125
- Wortmann, J.C.**, *see* Browne, J. 235
- Yang, Z.-B.**, *see* Qiao, L.-H. 83
- Yeo, S.H.** and S.W. Lye, A tool condition monitoring system in a CIM workcell 77